RECORD

Collector: Philip A. Munz

10792 - 11931

P. A. Munz
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Claremont - Calif

Botanical notes; if found
please send to
above address

 Trip

10792
Lupinus densiflorus Benth
lavender
10793 Lotus Nuttallianus Greene
Prostrate
10794 Hemizonia fasciculata
Common T.&G.
10795 Amsinckia parviflora Hel!

10796 Lepidium —
10797 Oenothera. hirta near var ignota
erect.
10798 Mimetanthe pilosa (Benth.) Greene
Bright yellow flowers.
10799 Gnaphalium palustre Nutt
10800 Marsilia vestita H.&G.
10801 ~~Psilocarphus~~ globiferus (Bert.) Nutt
forming mats.
10802 Boisduvalia glabella var.
campestris Jeps
10803 Gilia intertexta ~~Hook~~
10804 Orcuttia californica Vasey
Common
10805 Bergia texana Seubert

May 20, 1927 3

Murietta Hot Spgs. Riverside Co.
dry fields

Dry fields

Dry fields.

Dry borders of dessicated mud flat.

"

"

"

Dessicating mud flat.

"

"

"

"

"

"

10806 ~~Mimulus~~ diffusus Grant
pinkish
10807 Githopsis specularioides Nutt
10808 Gilia —
10809 Plantago —
10810 Nemacladus ramosissimus Nutt.
10811 Gilia —
Pale blue
10812 Specularia biflora (R. P) Gray
10813 Malacothrix Clevelandi Gray
10814 Filago californica Nutt
10815 ~~Madia~~ exigua (Sm) Greene
10816 Godetia
lavender flowers
10817 Oenothera contorta var epilobioides
Spreading
10818 Oenothera hirta var. Jonesii
Erect
10819 Oenothera hirta var. ignota
Erect
10820 Trifolium tridentatum Lindl
10821 Trifolium obtusiflorum Hook

10 mi. S. of Hemet, disintegrated granite
dry roadside in chaparral
Growing in chaparral.
(shaded.

"

Growing along roadside
Growing in shaded chaparral

"

"

"

"

"

"

Gravelly bank.

"

"

edge of chaparral

"

10822 Cryptantha
10823 Allium peninsulare Lemmon
10824 Erigeron foliosus var. stenophyll
10825 Convolvulus occidentalis var. te
10826 Ceanothus tomentosus var olivaceus Je
10827 Phacelia minor (Harv.) Macbr

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28 Gilia
10829 Oenothera contorta var. epilobioides
Erect
10830 Trifolium gracilentum T.&G.
10831 Festuca pacifica Piper
10832 Agoseris heterophylla (Nutt)
10833 Plagiobothrys calif. var fulv. sc
prostrate
10834 Lomatium utriculatum (T.&G.) C
10835 Oenothera
10836 Sidalcea malvaeflora Gray
10837 Orthocarpus purpurascens var. P
10838 Mirabilis Froebellii (Behr) Greene

Edge of Chaparral

m (Nutt) Gray,

hyllus Gravelly banks

n. tenuisecus Gray,

cens Jeps In chaparral.

r Edge of chaparral.

May 21

grassy open flat, Coahuila Valley

les "

"

"

tt) Greene "

lve scens Jtn. "

T&G) C&R "

"

"

n. Palmeri Gray "

from gravelly ridge crest in chaparral mainly of Adenostoma sparsifolium

8

10839 Eriodictyon crassifolium Benth.

10840 Scirpus olneyi Gray

10841 Amorpha occidentalis Abrams

42 Baeria chrysostoma F & M

43 Astragalus

44 ~~Streptanthus~~ campestris Wats
dark purple 4 ft tall

45 Viticella parviflora (Dougl)

46 Bowlesia ~~lobata~~

47 Oxytheca trilobata Gray

48 Lotus argophyllus (Gray)

49 Phacelia ramossisima
var- suffrutescens Pa

50 Scrophularia californica var.

51 Solanum Xanti
var- glabrescens Parish

Dry gentle slope about 7 mi. south-west of Coahuila.
Creek bank. 7 mi. S. W. of Coahuila.

alkaline meadow, San Carlos Pass
about rocks (dry) "
" (dry) "
" (moist) "
" (moist) "
" (dry) "
" (dry) "
" (moist) "
s Parry
var. laciniata Jeps. " "
" (dry) "
ush

Lindl
10852 Arctostaphylos glauca
10853 Cryptantha
10854 Mentzelia —
10855 Mimulus
10856 Plagiobothrys Calif var fulvescens
Prostrate.
10857 Lupinus concinnus Agardh
10858. Gilia dianthoides
10859. Gilia
flowers lavender
10860 Eriogonum ~~fasciculatum~~ viminium
10861 Oenothera hirta var. Jonesii
10862 Juncus triformis ~~uniflorus~~ Veitchiana
63 Oenothera bistorta decumbent
64 Eriophyllum Wallacei Gray
65 Mimulus Fremontii
66 Nemacladus longiflorus Gray
67 Gilia —
68 Collinsia concolor Greene
69 Eschscholtzia Calif Cham
70. Cuscuta calif Choisy
71 Philibertia
72 Clematis pauciflora Nutt

Dry rocky hillsides
About rocks (dry) San Carlos pass
2 mi southeast of Arsa
Dry gravelly slope.
Edge of gravelly seep
Gravelly seep

Edge of gravelly seep.
Dry hillsides.
– Coahuila – Dry gravelly slope. Chap.

" " "
Collected with 10856
" " 10855
" " 10859
" "
" "
" "
" "
" 10857
" 10859
dry slope, 10 mi S.W. of ~~[illegible]~~ Coahuila
"
"

10873 Encelia frutescens Gray
74. Salvia m x a hybrid
75 Calochortus concolor (Baker)
76. Arenaria Douglasii Gray
77 Chaenactis glabriuscula
78 Stillingia linearifolia Wats
79 Chorizanthe staticoides Benth
80 Eriogonum fasciculatum var polifol
81 " " foliolosum
82 ~~Stipa~~ " —
83 Simmondsia californica Nutt
84 Mimulus longiflorus (Nutt) pale
85 Mirabilis laevis var glutinosa pale
86 Castilleja californica Abrams
87 Rosa californica C & S
88 Godetia —
89. Senecio Douglasii DC.
90. Pluchea sericea (Nutt) Cov
91 Layia platyglossa (F & M) Gray
92 Ranunculus calif var ludovic
93 Spergularia macrotheca (Hornem)
94 Baeria chrysostoma F & M
95 Lupinus bicolor var. microphy
96 Apocynum cannabinum L

dry slope, 10 mi S.W. of Coahuila
" "
Purdy " "
"
"
"
"
"
(with '81) "
(" '80) "
"
"

rock-crevices. "
dry slope "
" 15 mi S. of Hemet
edge of swamp "
dry slope "
dry bank, Coahuila Creek, 2200
" "
Meadow " Valley 4500
" "
Aleph alkaline "
" " "
Ilvs c.o.s " " "
" " San Carlos Pass

10897 Aphyllon
on Art tridentata

98 Yucca Whipplei
non caespitose

~~108~~ ^ morehus Kell
10899 Quercus hybrid
~~tree~~ with Kelloggii ×
partly deciduous

900 Arctostaphylos glandulosa
Eastw

901 Acer Negundo var californicum
Sarg

902 Galium Andrewsii Gray

903 Gaura heterantha Torr.

904 Clarkia ———

905 Osmorhiza brachypoda Torr.

906 Oenothera hirta var. Jonesii (Levl)
erect

907 Mimulus brevipes Benth

Coahuila Valley 4500

" " "

May 28

Oak Glen 4400 f
near creek

Wislizeni

chaparral, dry slope

common, Potato Canyon

frequent, dry slopes, in chaparral

" , shaded slope

"

"

along trail, dry ridge, chaparral

" " "

10908 Gilia —

909 Garrya flavescens Wats

10 Collinsia concolor Greene

11 Gnaphalium decurrens
var. californicum Gray

12 Castilleja oblongifolia Gray

13 Lupinus formosus Greene

14 Gilia —

15 Mimulus Fremontii (Benth.) Gray

16 Oenothera hirta var. ignota (Jeps) Munz
(erect)

17 Godetia —

18 Oenothera contorta Dougl.
var. epilobioides (Greene) Munz

19 Linum Lewisii Pursh

May 29

with 907

mouth of canyon

partly shaded slope

dry slope

with 10910

dry slope

with 10910

dry slope

dry abandoned field

" "

" "

with 10910

10920 Castilleja linariaefolia Benth

21 Acamptopappus sphaerocephalus

22 Monardella candicans
var. exilis Gray

23. Oenothera
for transplant

24 Acamptopappus sphaerocephalus

25 Stephanomeria —

26 Garrya —

27 Erigeron foliosus Nutt

28 Encelia Actoni Elmer

29 Erigeron Parishii Gray

30 Mirabilis laevis var aspera Jeps

31 Anemopsis californica (Nutt)

32 Sporobolus airoides Torr.

moist place, Cushenbury (June 14
3550 ft

sandy desert, Box S Spring

" "

" "

near Victorville ~~north slope~~, ~~Cajon Pass~~ "

"

Cajon Pass, summit 4000

" "

" "

Cushenbury, dry slopes 3700

Hook

alkaline meadow

Edge, " "

10933 Stanleya pinnata (Pursh) Britt.

34 Glycyrrhiza lepidota (Nutt.) Pursh

10935 Castilleja cinerea Gray

10936 Oenothera hirta Link var. exfoliata (Nels) Munz
Quite erect.

10937 Erigeron foliosus Nutt.

10938 Cuscuta ———
on Crysothamnus

10939 Brickellia oblongifolia var. linifolia Rob.

10940 Oreocarya confertifolia Greene

10941 Notholaena Jonesii Maxon

10942 Phacelia ———
With 10941

10943 Galium Hallii Jtn.

10944 Malvastrum orbiculatum Ro
With 10943

June 15

Cushenbury
common, dry slopes
" , edge of meadow

Dry slope at Fish Camp

Dry roadsides Cushenbury
Canyon at about 4500 ft.
" "

Cushenberry Canyon at about
4200 ft.
Limestone

"

Rare on limestone
ledges

Dry slopes

um Robus

10945 Oenothera

for transplant

sandy roadside, 1½ mi NE of Pine Knot PO, Bear Valley

Death Valley

10946 Ellisia ~~Torreyi~~ micrantha (Torr) Brand Gray

47 Gilia ~~filifolia~~ Parry yellow
filiformis Parry

48 Nemacladus —

49 ~~Nama pusillum~~ Lemmon
~~Lemmonia calif. Gray.~~

50 Eriogonum Thomasii Torr

51 Pectocarya linearis DC

52 Chorizanthe corrugata (T

53 Pectocephyllum Schottii Gr

54 Cryptantha maritima G

55 Mentzelia reflexa Cov.

56 Eucnide urens Parry

57. Hofmeisteria pluriseta
Gray

Munz & Hitchcock,
10 Mi NW of Riggs, April 3.
base of rocky slope
gravelly bank

" "

desert mosaics

" "

" "

(Torr) T.G " "

Gray ~~dusky~~ rocky slopes

Greene " "

" "

clefts of rocks

rocky slopes

10958 Bebbia juncea var. aspera Greene

59 Philibertia hirtella Parish

60 Plantago insularis Eastw. var.

61 Nitrophila occidentalis Wats

62 Cressa cretica L.

63 Calandrinia ambigua (Wats) leaves very thick & fleshy

64 Heliotropium curassavicum L

65 Coldenia Nuttallii Hook

flat on ground

66 ~~Lennoa~~ ~~Lemmonia californica~~ Nama pusillum ~~Lemmon~~ Gray

67 Langloisia punctata Heller

68 Achyronychia Cooperi T. & G.

69 Monoptilon bellioides T. & G.

washes

"

open desert near Yermo

alkaline banks, Saratoga Springs

. " "

Howell Sandy desert, wash "

with 10961

with 10963

"

"

"

"

10970 Chaenactis carphoclinia Gray

71 Plantago insularis Eastw var

72 Mohavea breviflora Cov.

73 Atrichoseris platyphylla Gra

74 Oenothera decorticans (H & A) Greene var. condensata Munz

75 Boerhaavia annulata

76. Oenothera brevipes x clavaeformis pale yellow

77. Mimulus ~~Bigelovii~~ Gray

78. Parosela Johnsonii var. Saundersii ~~arborescens~~ ~~(Torr.) Heller~~ (A

79 Nemacladus brown

80 Nemacladus white

81 Phacelia rotundifolia Torr

wash

"

4 mi S of Bradbury Well

Gray "

"

Coville "

"

"

(Abrams) Parish "

"

"

under rocks on slope

10982 Eschscholtzia ~~glyptosperma~~ minutiflora ~~Greene~~ Wats

83 Oenothera refracta Wats

84 ~~Gutierrezia lucida Greene~~ Amphiachyris Fremontii Gray

85 Physalis crassifolia Benth

86 Lupinus sparsiflorus var. arizonicus C.P.Smith

87 Cassia armata Wats

88 Encelia virginensis A.Nels

89 Phacelia calthifolia Brand

90 Lygodesmia exigua Nutt.

91 Senecio mohavensis Gray

92. Eriogonum Thomasii Torr

93 Gilia filiformis Parry

94 Gilia ~~leptomeria~~ ? Scopulorum J

with 81 r in wash

wash

about rocks

wash at base of rock

wash.

10995 Oenothera clavaeformis var. aurantiaca (Wats)

96 " hybrid of clavaeformis? x brevipes.

97 ~~Wislizenia~~ pale yellow Cystylis

98 Oenothera dentata var.

99 " brevipes var

11000 " refracta Wats

1 Eriogonum reniforme Torr.

2 Mentzelia albicaulis D var

3 Encelia frutescens Gray

4. Phacelia calthifolia Brand

5 Eriophyllum ambiguum Gray

6 Gilia demissa Gray

April 4

Bradbury Well

lutea Torr. & Frem.

Johnstonii Munz

typica

Frem

11007 Gilia punctata

8 Oenothera decorticans var. desertorum Munz

9 Phacelia hispida Gray

10 Phacelia Fremontii Torr.

11 Gilia ~~tenuiflora Benth.~~ latiflora Gray var. lavender

12 ~~Calycoseris~~ Parryi Gray

13 Sphaeralcea ambigua Gray

14 Arabis pulchra Jones

15 Castilleja angustifolia G. Don

16 Thysanocarpus laciniatus

17 Lupinus rubens Rydb

18 Astragalus Layneae Greene

Dante's Point April 6

Nutt

11020 Chaenactis stevioides H & A
var. brachypappa (Gray) Hall

19 " macrantha Eaton

21 Syntrichopappus Fremontii Gray

22 Menodora spinescens Gray

23 Artemisia spinescens Eat

24 Oenothera brevipes Gray

25 Phacelia crenulata Torr

26 Eriogonum Thomasii Torr.

27 Salvia funerea Jones

28 Oenothera multijuga
var. parviflora (Wats) Munz

29 Eschscholtzia
glyptosperma Greene

7 mi E of Dante's Pt.

washes Ryan April 6

"

"

rocky slopes at head of gulch

wash

"

"

11030 Oenothera clavaeformis T. & var. aurantiaca (Wats) Mun

31 Chylismia oblongifolia Wats

32 Euphorbia ~~polycarpa Benth~~ ocellata arenicola

33 Anisocoma acaulis Gray

34 Malacothrix sonchoides (Nutt) T. & G.

35 Malacothrix californica DC

36 Parosela Johnsonii var Saundersii (Abrams) Par

37 Oenothera multijuga Wats var. parviflora (Wats) Mun

38 Notholaena Parryi ~~D.C.~~ Eaton

39 Plantago insularis Eastw var fastigiata Jeps

40 Eriogonum Thomasii Torr

41 Ellisiaea micrantha (Torr) Brand

Wash 2 mi E of | April 7
Stove-Pipe Wells.

25 mi S of Beatty

T.g.

Hole in Rock Spg E of
Stove-Pipe Wells.

11042 Crucifer

43 Encelia frutescens Actoni Elmer

44. Salvia funerea Jones

45 Oenothera clavaeformis
var. typica Munz

46 " decorticans var.
condensata Munz

47 Cleomella obtusifolia Tor

48. Hesperocallis undulata gr

~~48~~

49 Baileya pauciradiata H.&G

50 Nemac

51 Gilia Matthewsii

52 Chaenactis stevioides

53 Alronia villosa Wats

Yermo

Torr. & Frem.

gray

april 8

Cronese Valley, sandy desert

B. & A.

11054 Oenothera hirta var. Jonesii (Levl) Munz

55 Godetia

56 Collinsia Parryi

57 Oenothera decorticans var. desertorum

58 Styrax officinalis var. calif Mg

59 Phacelia Ivesiana Torr.

60 Psathyrotes ramosissima

61 Lepidium

62 Sisymbrium

63 Oenothera ascending.

64 Orthocarpus densiflorus

65 Gilia

66 Blennosperma californicum T.G.

67 Oxalis cernua L.

burn at Devore, Cajon Canyon
April 18

among low shrubs, N of Etiwanda

with 11,054

open desert, 5 mi E. of Oro Grande

side canyon just E. of mouth of
Lytle Creek

with 11048

" 11030

Claremont March 7

a '

3 mi NE of Claremont May 1, 1928
roadside 1600 ft.

Claremont, March 28

Cuyamaca Lake, dry slopes. April 22

" muddy flat

Claremont, March 7

11068 Psilactis Coulteri Gray

11069 Hugelia

70 Hugelia

71 Sphaerostigma cruciformis
erect, yellow with reddish dots
stamens, etc. pale yellow
stems reddish, lvs pale with redden
blotches

a, 55, 17, 23,68	33, 5, 12, 6
b, 90, 89, 46	28, 66, 23
c, 150, 110, 40	40, 30, 13

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72 Phacelia bicolor Torr.
throat yellow to orange, limb violet
73 Mentzelia congesta T. & G.
corolla ½-1 cm across, yellow, with orange
74 Gilia ~~pungens~~ var. squarrosa
fls nocturnal, fragrant
75 Oenothera contorta var flexuosa
erect, bushy, glandular

common on dry ~~ed~~ mud-flat,
Silver Lake April 8

---

sand hills so of Mohave June 19
1928

Mint Canyon June 19

locally common ~~on~~ dry sandy ~~clearings~~
disturbed areas ~~among~~ in Artemisia
tridentata region, Rock Creek
5 mi N of Sherwin Grade, Mono Co.
June 21

; foliage viscid, rather strong, not unpleasant odor

throat, sts. 11-20, fils not dilated
gray.
common.

June 21

11076 Gilia
fls lavender

77 ~~Hy~~ Gilia floccosa
erect, lax; fls pale blue.

78 Gayophytum Nuttallii
intermed

79 Gilia
fls. bright lavender

80 Coldenia Nuttallii Hook
annual, flat. fls lavender-pink

81 Phlox Stansburyi
fls. pale pink

82 Ephedra viridis J
erect, broom-like, light green base re
2-3 ft.

83 Mentzelia albicaulis
Dougl.

84 Oenothera xylocarpa Coville
collected about 10 am & fls of preced
night largely closed. Corolla bright
primrose yellow, fragrant, ~~ageing~~
salmon. anthers, fils, ~~pistil~~ pale
yellow

June 22

rocky cliffs, canyon, south of Bridgeport
Bridgeport Canyon, 5 miles, Mono Co, Calif
with 82

locally abundant
loose gravelly flats and among
Artemisia tridenta in large areas
surrounded by pines
about 35 miles N of Bishop
in Mono Co

11085 Oenothera tanacetifolia T.&G.
fls. bright yellow, aging apricot
sweet odor
diurnal

86 Oenothera heterantha Nutt
fls. pale yellow, diurnal

5

87 Collinsia sparsiflora var.
brachysiphon
dark purplish-blue

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88 Orthocarpus ~~lacerus~~ hispidus Benth.
pale yellow.
89 Horkelia fusca Lindl.
90 ~~Lappula velutina~~ ~~Piper~~ ~~occidentale?~~
fls. sky blue
91 Sidalcea glaucescens Greene
rose-lavender, var in size
92 Gayophytum ~~humile~~ ~~hirtellum~~
white () ca 1mm, stigma greenish
capsules flattened
93 Gayophytum humile
capsules flattened clavate,
fls like 92

at about 5500 ft. alt. June 23.
near state line, 20 miles so of Gardnerville
Douglas Co., Nevada
locally common, edge of rush & sedge meadow & in disturbed areas about meadows

West Fork, Carson River, Alpine Co., Calif
edge & hummocks, meadows at 6500 ft. alt. June 23.

dry slope under pines with 11086
but at 7000 ft. alt

Tahoe Camp, U.S.F.S June 25
bottom of small draw 6800 ft.

semi-dry flat under pines
gray " ", common

damp roadside clearing, in pines
white

with 92

torulose

11094 Gayophytum
95 Mentzelia dispersa? Wats
96 Ceanothus prostratus Benth
97 Oenothera sp. nov.
quite sticky-glandular
petals white old ones pink.
leaves crinkly-margined
98 same

99 Coldenia Nuttallii Hook

11100 Hugelia
fls light blue
1 Hugelia
fls almost white
2 Oenothera caespitosa
3 Epilobium ———
4 Mentzelia albicaulis Dougl
5 "

June 25

dry ground under pines
clearing, dry bank, pines
common as mats, dry ground under pines

loose gravelly sand on saddle of divide about 10 miles SW of Pyramid Lake June 26.

from ~~old~~ gravelly back beach near SW corner of Pyramid Lake

dry flats, 10 mi NE of Reno

June 26

base of dry rocky slope, 5 mi SW of Reno.

wet bank, 2 mi east of Truckee, Calif

dry barm in pines " " "

" " "

11106 Oenothera clavaeformis
petals white, occasionally small reddish spots
7 Oenothera alyssoides
petals white, hyp. green, plants low

8 Oenothera clavaeformis
habit erect. petals white, hyp. orange
9. Cleome sparsifolia S. Wats

11110 Oenothera scapoidea typica
petals pale yellow with small
reddish spots; fls quite erect.

11111 Oenothera Nuttallii Sweet
erect plants with running underground
stocks; erect; fls. white with
disagreeable odor; reddish in
age. stigma greenish
stamens yellow; foliage pale
112 Gaura coccinea
petals pink or whitish
branching from base

loose gravel, roadside embankment June 28
5 mi. N.W. of Carlin, Nev.
near base; hyp. green; plants erect.

with 11106.

spreading

10 miles N.E of ~~Lovelock~~ Lovelocks, Nev
loose gravelly embankment
with 08.

June 29
25 miles SE of Wells, Nev
about 5500 ft
loose gravelly embankment at roadside.

July 13
loose embankment, 8 miles west of Morrison, Colo. 6500 ft.

sod, dry slopes, 5 miles south of Morrison 6000 ft

11,113 Oenothera coronopifolia T&G.
low, 3-8 (10) inches high, erect.
fls white, aging pink.
stigmas greenish; sts yellow.
not much odor.

114 Gaura parviflora
erect, 1-5 ft. ~~tall~~ soft, slightly
clammy; fls. ~~greenish~~ to pinkish –

11115 Oenothera latifolia (Rydb)
fls white, not unpleasant in
odor. running underground
rootstocks

11116 Oenothera albicaulis Pursh
annual, central stem erect, branches
several at base first horizontal
then ascending.
fls white, aging pink, odor faint
quite agreeable

11117 Oenothera coronopifolia T&G –
perennial, erect with slender
running underground rootstocks

with 11,112 July 13

roadside waste places 2 miles east of Morrison at 5500 ft July 13

4 miles east of Salt Lake City, Utah at 5000 ft July 1
in sod & roadside

5 mi SE of Denver at 5400 ft,
roadsides & waste places. July 17

15 mi SE of Denver on Parker road, sandy fields 7-17

11,118 Oenothera serrulata Nutt.
bushy; bright clear yellow, stamens, stigmas etc same. stigma discoid slightly lobed squarish.
little odor diurnal

11119 Oenothera
like 11,111 bad odor

11120 Oenothera albicaulis Pursh
apparently annual; smaller plants simple erect, those from less soddy places branching from base.
odor not pleasant
hyp. glabrous within

11121 Oenothera Rydbergii

22 Orthocarpus luteus Nutt
yellow, erect

23 Oenothera coronopifolia T.G.
perennial, erect
odor not pleasant
hairy hypanthium

24 Gaura Coccinea

locally common, dry slopes and cuts 5 mi SE of Parker, Douglas Co., at about 5700 ft & lower edge of pine belt. 7-17

with 11,118

dry grassy pastures, 5 miles NE of Livermore, Larimer Co Colo. July 20

waste places along ditches & creeks 7/20
with 11120

with 11120

with 11120

11,125 Epilobium saximontanum
erect

126 Penstemon stenosepalus (Gray) Howell
white
purple & white forms all together

127 Penstemon purple

128 Harpagonella Palmeri Gray
with 10015, Pectocarya

wet peaty ~~meadow~~ Echo Lake
1½ mi ~~south~~ of Idaho Springs
at 10,500 ft July 31

damp slopes, Echo Lake

with 126

dry slopes, 2 miles N of Saugus,
L. A. Co., Calif April 4, 1926

11,129 ~~Nicotiana attenuata~~ Torr

130 Atriplex bracteosa Wats

131 Atriplex rosea L

132 ~~Hagelia~~ ~~Solanum~~ densifolia Benth

133 Xanthium pennz.

134. Isocoma veneta (HBK) Greene
var. vernonioides (Nutt) Jeps

135 Chrysopsis villosa
var. fastigiata (Greene)

136 Senecio Douglasii DC

137 Stephanomeria virgata
Benth

138 Malvastrum Davidsonii

139 Lessingia glandulifera Gray

140 Gutierrezia Sarothrae
(Pursh) Britt x

Munz & Johnston

Saugus, sandy wash, Sept. 4,

" dry bank

" " "

" sandy wash

Newhall south grade
low ground along stream

Saugus sandy wash

" "

Hall " "

sandy wash, Pacoima Wash

Rusby

11,141 Eriogonum gracile Benth

42 Zauschneria californica Presl

43 Brickellia californica (T. & G.) Gray

44 Clematis ligust Nutt.

45 Cordylanthus rigidus (Benth.) Jeps.

46 Artemisia dracunculoides Pursh
3 ft.

47 Helianthus Parishii Gray
10 ft. tall

48. Psoralea macrostachya DC
6-9 ft.

49 Solidago occidentalis (Nutt.) T. & G.
6-8 ft.

50 Juncus rugulosus Engelm

51 Scirpus microcarpus Presl

52 Cuscuta
on Stachys

sandy wash, Pacoima Cañon

rocky bank, Bouquet Canyon
2500 ft

~~dry~~ stream " "

" "

dry bank.

" " " "

along stream ~~creek bottom~~ " "

" "

along stream

" "

" "

11153 Corethrogyne filaginifolia
var. Peirsoni Canby

154. Lessingia Lemmoni Gray

155 Eriogonum

156 Heliotropium Cur
var. obovatum DC

157 Grindelia camporum
Greene

158 Corethrogyne filaginifolia
var. Peirsoni M. Ca

159. Stephanomeria exigua Nutt

160 Forestiera neomexicana Gray

161 Chrysothamnus nauseosus var. mo
yellowish, 2½ ft.

162. Chrysothamnus nauseosus
var. gnaphalodes? (g

163 " viridulus

164 Castilleja linearifolia
Benth

Sept 4

Bouquet C. rocky bank.

Elizabeth Lake, dry sandy slope.

" — "

" "

" 3 miles E of Eliz Lake, base of dry slope

with 157

" "

-ravensis (greene) Hall

Bouquet Canyon 3000 ft.

with 157

(greene) Jeps

" "

near ditch bank below Rock Creek

cauby

11165. Eriogonum molestum Wats

166 " Baileyi Wats

67 " molestum var

68 Stanleya pinnata (Pursh) Britt.

69 Zauschneria latifolia var. Johnstonii H

70. Gutierrezia lucida Greene

71. Oenothera Hookeri T&G

72 Solidago confinis Gray 4 ft.

73 Eliocharis Parishii Britt

74 Juncus xiphioides

75 Eriogonum molestum Wats

76 Stephanomeria runcinata Nutt

Sept 4

5 miles from mouth Big Rock

flat, roadside, east of Palmdale

with 166.

sandy bank of ditch, Rock Creek.

3800

rocky " " "

rocky " ——— "

ditch bank

" " "

" " "

E. Mey

dry
sandy creek bottom

"

11,177 Lessingia glandulifera Gray

78 Malvastrum

79 Chrysothamnus nauseosus

80 Grindelia camporum greene

81 Platanus

82 Quercus

83 Eriogonum Heermanni D.H (use 11240)

83 " Wrightii var

84 ~~Eriogonum~~ angulosum Bnth

85 Eriogonum molestum Wats

86. Zauschneria latifolia var. Johnstonii Ebland

87 Eriogonum umbellatum var. stellatum

88 " nudum Dougl

Road Rock Creek to Swartout 4500

dry slopes

var. mohavensis (Greene) Hall

damp seep, Rock Creek ~~40~~00

with 11,175

" 11,179

dry slopes, Road to Swartout 5500

membranceum Stokes

dry shaded slope 6500

~~Greene~~

189 Chrysothamnus nauseosus var. bernardinus Hall

90 ~~Leptodactylon~~ ~~Lepidospartum~~ latisquama Wats

91 Anogra

92 Chrysothamnus nauseosus

93 " "

94 " "

95 Lastarriaea glandulifera Gray

96 Stephanomeria exigua Nutt.

97 Angelica virgata Benth var. pale blue

98 Atriplex polycarpa Wats

99 Suaeda suffrutescens Wats

11200 Eleocharis

1 " Parishii Benth

Sawmill e of Big Pines 6700
dry slope

"

var. bernardinus Hall

" mohavensis (Greene) Hall

"

" viridulus Hall

"

Wrightwood 6500

"

"

dry margin alkaline seep.
Cottonwood Spg.

"

edge of pool "

11202 Psathyrotes annua (Nutt.) Gray

3 Limosella aquatica L

4 Zannichellia palustris L.

5 Atriplex canescens James ~~bracteosa~~ ~~Wats~~
var. laciniata Parish

6 " bracteosa Wats

7 Plantago major L

8 Juncus bufonius L

9 Cyperus aristatus Rottb

10 " ferax Rich

11 ~~Eragrostis~~

12 Epilobium californicum Haussk

13 Bidens levis BSP

dry wash. Cottonwood

mud "

" "

dry bank wash "

Edge of field Old Woman

bank of stream "

wet sandy river bottom, Victorville

11214 Ceratophyllum demersum L

215 Potamogeton

216 Scirpus acutus Muhl

217 Juncus Torreyi Cov.

218 Aster bernardinus Hall

219 Polygonum acre HBK

220 Cassia armata Wats

221 Lepidospartum squamatum Gray

222 Eriogonum Baileyi brachyanthum

223 " molestum Wats

224 Lythrum calif T & G

225 Castilleja linearifolia Benth

Sept 5

Mohave River Victorville

Rancho Verde, pond) "

open desert, 6 mi S.E. Old Woman

sandy wash

Windmill 6 mi N of Warren's well

dry field 1 mi S.W of "

"

cienega Edge Covington Ranch

" "

11226 Anemopsis californica (Nutt.) Hook.

227 Hydrocotyle umbellata L.

228 Cyperus laevigatus L

229 Epilobium californicum Haussken

230 Juniperus californica Carr

231 Prosopis pubescens Benth

232 Prosopis chilensis Molina

233 Simmondsia Calif Nutt

234 Eriogonum elongatum Benth

235 Gutierrezia lucida Greene

236 Isocoma veneta var. acradenia (Greene) Hall

237 Bacharis glutinosa Pers shrub 8-10 ft

Sept 6

ciénega, Covington Ranch

" "

" "

" "

dry gulch, Warrens Well

wash at Covington Ranch

" "

dry slope Warren's

" "

" "

wash Covington Ranch.

sandy wash head of Morongo

11238 Baccharis sergilloides Gray
shrub 4-6 ~~ft~~ ft

239 Corethrogyne filaginifolia
vet. var. bevicula M-Canby & var.

240 use first 11183

11241 Chenopodium
erect ~~1~~ 4 ft.

242 Leptochloa uninervia
(Presl) Hitchc & Chase

243 Scirpus paludosus A Nels

244 Cyperus ferax Rich

245 Rumex persicarioides L

246 Aster frondosus T. G

247 Amaranthus californicus
(Moq.) Wats

248 Gnaphalium beneolens Davidson

249 Chrysopsis villosa Nutt

250 Eriogonum yellowish glab-

with 237 Sept. 6.

dry field, 1 mi W of Cabazon

Bernardino Hall

Sept 12

common sandy alkaline flats
N. End. Lake Elsinore

"

" "

" "

local

infrequent

frequent dried banks
Reservoir Lee's Lake

Davidson common, dry gravelly wash " "

" " "

var. echinoides Gray

dry gravelly " " "

11251 Eriogonum

252 "

253 "

254 "

255 "

256 "

257 Xanthium chinense Mill

258 Stephanomeria exigua Nutt
low bushy intricate

259 Rumex persicarioides L

260 Cyperus erythrorhizos Muhl

261 Polygonum Muhlenbergii
with long floating stem Wats

262 Scirpus californicus
(C A Meyer) Britt

263 Xanthium pennsylvanicum
Wallr

264 Baccharis
shrub 6 ft.

265 Pluchea camphorata (L) DC.

266 Bidens laevis BSP
clumps 5-6 ft.

all growing with 11250

dry gravelly wash, Lee's Lake

single plant dry banks " "

depauperate a "

great masses, amphibious banks " "

wet sandy banks Santa Ana R., Ontario - Corona road

dry " "

moist river bottom

wet banks of ~~stream~~

11267 Plantago major L

268. Vitis Girdiana Munson

269. Cyperus vegetus Willd ~~[illegible]~~
common up to 4 ft tall

270 Cyperus ferax Rich
common ~~up to 2 ft tall~~

271 Eleocharis montana R&S

272 Cyperus esculentus L.

273 Juncus Torreyi Cov.

274 " nigulosus Engelm

275 Cuscuta subinclusa D&H
on Salix

276 Oenothera Hookeri T.G
6-8 ft tall

277 Epilobium Parishii Trel

278 Eriogonum Thurberi Torr

279 Petunia parviflora Juss.
prostrate mats

Sept 12

wet sandy banks S Ana R.

river bottom "

wet sandy river banks

"

"

"

"

damp sandy river bottom

wet " "

dry sandy bank, S Ana River

" " river bottom

11280 Ericameria Palmeri (Gray) Hall
low shrub 2-3 ft.
281 Plantago lanceolata L
dried vernal pool
282 Aster exilis Ell
annual
283 Lotus americanus (Nutt) Bisch
annual
284 Eriogonum gracile Benth
285 Hemizonia Wrightii Gray
286 Puccinellia distans (L) Parl
287 Solidago confinis Gray
288 Solanum nigrum L
289 Verbena urticifolia L
290 Polygonum lapathifolium L
291 Stachys albens Gray
4-5 ft.

dry ^hillside^ field, near S. Ana R.

Ontario Corona Road 1/2 mile west of S Ana River

with 281

great masses, 2 ft high

dry fields

"

dry vernal pool

~~low~~ wet ground ~~edge of cienega~~, 5 miles SE Chino

"

"

11292 Lippia lanceolata Michx

293 Physalis ixocarpa Brot

294 Epilobium holosericeum Trel

2-3 ft.

295 Cyperus melanostachys HBK

296 Samolus floribundus HBK

297 Daucus Carota L

298 Aster Menziesii Lindl

299 Xanthium pennsylvanicum Wallr.

300 Polygonum acre HBK

301 Sparganium Greenei Morong fruit

302 Anemopsis californica (Nutt) Hook

303 Lobelia splendens Willd

1-3 ft

low ground, 3 miles S of Chino

dry bank Warm Springs Creek
3 miles N of Temecula
creek bottom, in water

~~m~~marsh, 1/2 mile N. Temecula

springy place on hillside
2 miles S of Murietta

11304 Atriplex rosea L

305 Lythrum californicum T. & G

306 Isocoma veneta var vernonioides Jeps
erect, 2-3 ft.

307 Cucurbita palmata Wats

308 Utricularia vulgaris

309. Corethrogyne filaginifolia var. virgata Gray

310 Orobanche

11 Antirrhinum glandulosum Lindl

12 Acamptopappus Shockleyi Gray

13 Godetia

14 Nemacladus pinnatifidus

15 Collinsia Parryi

16 Gilia gilioides

Sept 12

dry alkaline flats, S E end
Elsinore Lake

"

dry flats near ~~strip~~, " "

" "

Rancho Verde with 11 216

Head of grade, City Creek May ~~25~~ 26

" grade

Head of Gulch east of Stove Pipe Wells April 7

Devore 4-21

" burn

11317 Godetia Dudleyana
318 " quadrivulnera
319 Oenothera hirta Link
var. Jonesii Levl app
var. ignota (Jeps) Munz
decumbent
320 Oenothera runcinata
(Engelm)

City Creek Canon May 23

Etiwanda April 18

City Creek Canon May 23

3500 ft

Aug. 15, 1928

near Grant, Valencia Co., N. Mex.

1132| Nemacladus ram. var. pinnatifidus

22 " longiflorus Gr

23 Lupinus formosus Greene
perennial, lavender, with w

24 Phacelia brachyloba Gray

25 Gilia ~~[illegible]~~ dianthoides B

26 Plagiobothrys nothofulvous Gray

27 Trifolium albopurpureum T & G

28 "

29 Lupinus bicolor var microphyllus CPS

30 Plantago Purshii R & S
var. typica

31 Astragalus Vaseyi Wats S

32 Gilia Matthewsii

(greener) gray May 3 - 1929

Oak Grove, San Diego Co
gravelly slopes, in burn

Gray.

white spot on banner

Benth.

grassy slopes, Warners Ranch

sandy wash, mouth of Palm Canyon

" "

11333 Nemacladus, ~~pubescens~~ rigidus var pubescens (G

34 " ram var pinnatifolius

35 Eriogonum Thomasii T

36 Hugelia

37 Lotus ~~Haydonii~~ ~~Hermanii Greene~~ strigosus var. Hermannii Ott

38 ~~Argemia~~ Euphorbia melanade

erect ~~dry~~ slopes

39 Galium angustifolium N

dry base of C

40 Salix argophylla Nutt

41 Thysanocarpus laciniatus

42 Lotus Haydoni

43 Cheilanthes viscida B

44 Parietaria debilis

Forst.

May 4.

(Greene) Munz. Palm Canyon,

us (Greene) Gray

Torr.

near stream prostrate
stems 3'-4 ft long

andenia Torr.

Nutt.
canyon slopes
stream banks

atus Nutt.

Davenp.
under overhanging rocks

" "

345 Bernardia myricaefolia C
346 Philibertia heterophylla C
347 Penstemon antirrhin oid
348 Parosela Schottii (Torr) Hel
349 Notholaena Parryi D.
350 Pityrogramma triangul ar
351 Ayenia californica Jeps
352 Sphaeralcea ambigua G
353 Bebbia juncea var a
354 Hyptis Emoryi Torr
355 Trixis californica K
356 Viguiera deltoidea Parishii (G
357 Eriodictyon lanatum C

a Wats.

la (Gray) Jeps. along creek

oides near var. microphyllus (Gray) M & J.

u) Heller var. puberula Parish
type locality

D. C. Eaton

laris (Kaulf.) Max on Maxonii Weatherby

Gray

aspera Gray

Kellogg

i (Gray) Rose
(Brand) Abrams

11358 Arabis pereunans

359 Prunus fremontii Wats

360 Horsfordia Newberryi (Wats) Gray

61 Allium haematochiton Wats

62 Phacelia pedicellata Gray

63 Clarkia delicata (Abram) fls lavender with darker ~~upper petals alike lower~~ corolla slightly irreg.

64. Salvia apiana Jeps var. compacta Mun

65 Hugelia

66. Chorizanthe fimbriata Nutt dry slopes in

67 Lotus scoparius (Nutt)

68 Oenothera hirta var

wats.

~~May 5~~

bank of stream

dry banks

May 5.

Muny & Hitchc!
spots near base
one

Sandy wash, mouth of
Sentenac Canyon 1200

San Felipe Ranch, lee
juniper belt '2500 ft

Ottley

exfoliata (Nels) Muny

11369 Juncus mexicanus Willdn

margin of

70 Osmaronia arborea dry Nutt.

71 Erodium botrys Bertol

72 Lotus argophyllus Greene

prostrate perennials

73 Ceanothus divaricatus Nutt

74 " perplexans Trel.

Sentenac Canyon 1500 ft
stream
slopes.

Henshaw Dam
grassy slopes
Banner Grade 4000

" ,

11375 Orthocarpus purpurascens var. pallidus
lower lip yellowish, long
bracts rosy lavender
76 Lupinus Chamissonis Esch.
fls pale, fragrant
great shrubs 6 ft high, 12-15
77 Cirsium maritimum Jeps
low, 1 to 2 ft, fls white
78 Coreopsis gigantea (Kell)
tufted stems at summit of
smooth thick trunks 1-3 ft
79 Eriophyllum staechad
1-2 ft tall, woody
80 Amsinckia intermedia F.&M
prostrate, fls with reddish spots
81 Spergularia salina Presl
82 Cuscuta
on Ericameria Eriophyllum St.
83 Cryptantha leiocarpa
(F.&M) greene
84 Malacothrix incana T.&G
fls yellow, plants
smooth to woolly

May 17 - Surf, Santa Barbara Co

sandy fields back of dunes

sand dunes

across

dunes,

lvs fleshy

1 tall dunes

"

ifolium " var. artemisiaefolium (Less) Jeps

"

back dunes

dunes

" prostrate

- "

11 385 Astragalus Menziesii Gray
fls whitish
386 Monardella crispa Elmer
fls ~~lavender~~ violet
low shrub, 1 ft or so high
387 Castilleja affinis H. A
fls. bright red.
388 Gnaphalium ramosissimum
fls. pink
89 Eschscholtzia calif var
fls. lemon yellow
90 Abronia latifolia Esch.
yellow
91 Chorizanthe californica
young plants,
92 Chorizanthe
old plants
fls, whitish
93. Erysimum capitatum
woody. fls. yellow
94 Lotus scoparius var. Veatchii
stems prostrate 3-4 ft
95 Stachys calif Benth
dry north bank

decumbent, on dunes

dunes

"

Nott "

maritima Jeps

var. Suksdorfii Macbr.
dunes

stems spreading

" "

(Dougl) Greene

pods quadrate ?,

? (Greene) Ottley

long

near Surf.

11396 Oenothera cheiranthifolia
stems prostrate
97 ~~Lotus~~
fls yellow, stems prost
98. Lupinus nanus
bright blue annual
99 Lupinus arboreus ?,
lavender annual to
11400 Rubus vitifolius C & S
clambering over bushes, north
leaves palmately lobed 3 in wide
401 Eriophyllum ~~prostrate~~ multicaule Gray
402. Potentilla cuneata Brill
403. Eriophyllum ~~staechadifol~~ confertiflorum
404 Phacelia ramosissima Dougl
405 Cardionema ram. Typ
406. Senecio Blochmanae ? Greene
407 Ammophila ~~Lupinus~~ arenaria (L)

5-17-1929.

dunes, Surf

sandy field back of dunes

rote

" " " "

" " " "

shrubby

slope 2 mi. south of Surf

; fls large $1\frac{1}{2}$ in across

old dune

north slope, old dune

Gray

~~Lag~~

on dunes

dune binder

11408 Lupinus albifrons var. Douglasii
Shrub; fls violet

409 Lupinus latifolius Agardh
fls dark red-purple

10 Godetia
roundish, 8 ribbed
fls. pinkish buds nodding

11 Astragalus oxyphysus Gray
erect, fls yellowish white
pods 0 or flatter

12 Isomeris arborea var globosa Cov
pods globose

13 Solanum umbelliferum Esch
low spreading, fls. violet

14 Eschscholtzia minutiflora

15 Stanleya pinnata (Pursh) B

16 Hugelia
violet

17 Oenothera hirta var exfoliata (Nels.) Munz
erect

5-19-1929

~~North~~ slope, Miguelito Park

pale

heavy soil, Cuyama Valley,
50 miles E of Santa Maria,
SLO Co.

dry slopes, N. base Tehachapi
Grade, Caliente Creek, 1000 ft

sandy soil, sandy
Cuyama Valley, 55 miles E of S. Maria
S. Barbara Co

wats

Butt.

11418 Langloisia setosissima ?
low flat, fls regular, white
9 Phacélia brachyloba Gray
pale lavender
20 Mantzelia
fls small, yellow, pls not
21 Abronia pogonantha Heimerl
fls. small, pale
22 Eriogonum inflatum
Torr & Frem
23 Lessingia germanorum
var. Lemmonii
24 Chorizanthe Thurberi (Gray)
Wats

25 Astragalus Hornii
perennial, many stems, forming
low spreading clumps 3-4 ft across
26 Chorizanthe staticoides
pale pinkish color Benth
27 Eastwoodia elegans Brandg
low rounded bush, 1-1½ ft.
fls yellow
28 Hugelia
2 violet
29 Godetia cylindrica (Jeps) Hitchc.
pinkish rose, paler with spots

5-18-1929

sandy soil, Cuyama Valley
55 mi E of Santa Maria

clinging, very brittle

heavy soil 10 mi SW of
Bakersfield

dry slopes, foot of Tehachapi grade
Caliente Creek
ca 1000 ft.

with 26

N. grade, Tehachapi 2000 ft
dry grassy slopes
toward base; capsule [illegible]

11430 Lotus salsuginosus Greene
prostrate
31 Phacelia hispida Gray
lavender
32 Collinsia bicolor Benth
almost white, common
along whole north base of
Santa Ynez range
33 Rafinesquia calif. Nutt
34 Allium peninsulare Lemmon
purple
35 Godetia cylindrica (Jeps) CLH
rosepink,
capsule ~~terete~~, ribs not plain
36 Senecio Breweri Davy
37 Oenothera dentata Parishii Munz
diurnal, bright yellow
plants very bushy, erect stem
38 Clarkia elegans Dougl.
bright red to purplish or rose
39 Lupinus densiflorus var. Menziesii
C.P.S
fls pale yellow

Cuyama Valley, 16 mi E of Santa Maria
dry north slope

base of wooded north slopes, 13 miles E.

dry sandy wash, 15 miles E

with many spreading branches; ca 1 ft tall
dry base, north slope

open grassy slopes

11440 Penstemon heterophyllus Lindl
bluish violet
41 Astragalus trichopodus
erect, fls yellowish, capsules glutin
42 Godetia quadrivulnera (Dougl.) Spach
grassy base
fls. dark reddish lavender, buds erect
43 Orthocarpus attenuatus Gray
bracts pale lavender
44 Thysanocarpus laciniatus
var. crenatus Brew
45 Delphinium hesperium Gray
purplish blue, erect
46 Godetia cylindrica (Jeps) C.L.H.
rosy pink, pale toward base,
single darker blotch at very base;
anthers lavender, stigmas whitish
capsules terete
47 Platystemon calif Benth
48 Phacelia calif. Cham
49 Lathyrus strictus Nutt
pale bluish lavender

dry slopes, 15 mi E Santa Maria

gravy " ", 8 " " " " S.L.O. Co

inflated

dry north wooded slope, 6 mi E of Lompoc
sandy soil

Nutt.

8 mi

with

Miguelito Park, 4 mi SW of Lompoc
grassy creek bottom
base rocky north slope

11450 Mimulus aurantiacus Curtis
Salmon ~~orange~~ yellow
51 Convolvulus cyclostegius
whitish; pink ribs 1800-ac
52 Amsinckia

53 Orthocarpus purpurascens var. pallidus
lower lips whitish with yellow
54 Scrophularia calif

55 Layia hieracioides (DC) H & A

56 Collinsia
lavender
57 Cirsium mohavense (Greene) Jeps
fls pale lavender to
whitish

pls 3-4 ft.
58 Eriogonum gracillimum Wats

59 Hemizonia paniculata Gray

60 Hunnemannia fumariaefolia
= Dendromecon Piercei Jones

May 18

Miguelito Park, base of slope

dry grassy flat ......

" " slopes
tip

May 17, north slope, dry sandy fixed dune
3 mi S of Surf

alkaline flats 3 miles
S of Rosamond 5-19

sandy soil, Cuyama Valley with 11421

back of dunes, Surf. 5-17

Sweet
W. M. Pierce garden June 15

Ojai Valley April 5,

11461 Lathyrus strictus Nutt

~~11462~~

11462 Lepidium nitidum Nutt

11463 Allium peninsulare

11464 Lupinus bicolor microphyllus

11465 Sanicula Menziesii H & A

11466 Orthocarpus purpurascens Benth

11467 Rhamnus ilicifolia ~~Kell~~

11468 Malvastrum Nuttallii (Abrams)

11469 Plagiobothrys nothofulvus

11470 Lupinus latifolius Agardh

11471 Amsinckia ~~parviflora~~

11472 Eriodictyon crassifolium Benth var nigrescens

11473 Solanum Xanti Gray

11474 Amsinckia parviflora Heller

11475 Ceanothus oliganthus Nutt

11476 Ceanothus crassifolius Torr

11477 Saxifraga californica Greene

~~11478~~

north side Ojai Valley 1200 ft.
dry slopes in chaparral
Fls lavender, banner deeper &
streaked with purple
grassy flats
shaly slope near creek -
Fls. pale lavender.
Fls. deep blue with white
streak down banner.
base of shaded slope
grassy flats
Chaparral
6-8 ft. high - dry slope
grassy flats
Canyon bottom - color bluish-lavender
Orange Colored fl. (Eastwood)
Grassy flats
Fls. deep lavender - Chaparral
Chaparral - along roadside
Fls. lemon yellow - grassy flats.
Fls. pale blue, Chaparral.
Chaparral
Base of hills, shady banks.

11478 Potentilla glandulosa Lindl
79 Adiantum emarginatum Hook
80 Lithophragma cymbalaria T & G
81 Amsinkia intermedia F & M
82 Trifolium amplectens stenophyllum
83 Gilia multifoliata
84 Thysanocarpus curvipes Hook
85 Orthocarpus densiflorus Benth
86 Cercocarpus betuloides Nutt
87 Gilia multicaulis Benth
88 Scutellaria tuberosa Benth
89 Phacelia viscida Torr
90 Osmorhiza brachypoda Torr
91 Nemophila aurita Lindl
92 Oenothera hirta typica
93 Phacelia hispida Gray
94 Dentaria integrifolia var. calif. Jeps
95 Calochortus catalinae Wats
96 Lotus subpinnatus Lag
97 Plectritis ciliosa (Greene) Jeps

April 6 - Ojai

shaded slope

Moist, shaded slope

" " "

Grassy slope

Meadow

Fls. whitish, with a little cream
on the outside

Meadow

"

Chaparral

Burn in chaparral

" in chaparral

Burn " "

" " "

Burn in chaparral

" "

" " "

Moist slope

Burn

Meadow

11498 Agoseris heterophylla (Nutt)
99 Allium haematochiton Wats
500 Orthocarpus attenuatus Gray

April 1 Hazard's

11501 Quercus tomentella Engelm
502 Eriogonum arborescens Greene
503 Lotus scoparius v. dendroideus Ottley
504 Adiantum emarginatum Hook
505 Chenopodium Californicum Wats
506 Mimulus parviflorus (Greene)
507 Castilleia hololeuca Greene

508 Castilleia hololeuca Greene
509 Sanicula arguta Greene
510 Trifolium Macraei H. A
511 Lupinus bicolor microphyllus
512 Galium Catalinense Gray
513 Selaginella Bigelovii Wats
514 Thysanocarpus curvipes Hook
515 Micropus calif. F. M
516 Lupinus truncatus Nutt

green
meadow — grassy hills
Moist creek bottom
grassy hills

Harbor, Santa Cruz Isl.

Canyon
Sea cliffs
erect 2-3 ft high — canyon sides
n. facing canyon wall —
Canyon, grassy slopes
Canyon walls
" " red flowers low
shrub hanging on canyon walls.
yellow fls + " " " ".
Grassy canyon slopes.
Grassy meadows.
bright blue with whitish banner (grassy slopes)
rocky canyon wall
" " "
Grassy canyon walls
Grassy slopes in canyon mouth
" " " " "
stony & gravely

11517 Equisetum Funstoni Eaton
11518 Lotus subpinnatus Lag
11519 Saxifraga californica Greene
11520 Trifolium amplectens stenophyllum
11521 Lithophragma cymbalaria ?
11522 Trifolium macrocephalum Pursh
523 Scutellaria tuberosa Benth
524 Ellisia chrysanthemifolia Benth
525 Nemophila racemosa Nutt
526 Amsinckia ———
527 Dendromecon rigida Harfordii
528 Echinocystis macrocarpa
529 Polypodium vulgare Kaulfussii
530 Pectocarya
531 Baeria chrysostoma gracilis
532 Mimulus parviflorus (Greene)
533 Parietaria debilis Forst
534 Bowlesia septentrionalis
535 Pterostegia drymarioides F. M
536 Caucalis microcarpa ~~Nutt~~ H & A
537 Stellaria nitens Nutt
538 Lupinus hirsutissimus Benth
539 Nemophila ~~pedunculata~~ Dougl
540 Nemophila aurita Lindl

Canyon floor,
dry gravelly mouth of canyon
grassy canyon sides.
grassy slopes
" "
Canyon bottom
high ridge
moist canyon sides
shaded slopes in canyon
grassy canyon sides
high ridge.
shaded canyon sides
shaded canyon
canyon
grassy canyon sides.
moist grassy slopes. canyon
shaded banks of canyon
damp grassy canyon sides
" " " "
open " " "
" " " "
dry, rocky canyon bottom
grassy canyon sides
" " "

11541 Viola pedunculata T. & G.
11542 Poa nevadensis Vasey
543 Galium aparine L.
544 Pityrogramma triangularis var. viscosa
545 Woodwardia radicans Sm
546 Convolvulus macrostegius Greene
547 Cryptantha
548 Hazardia cana Greene
549 Eriophyllum staechadifolium var. artemisiaefolium (Less.) Jeps.
550 Symphoricarpus mollis Nutt
551 Arctostaphylos diversifolia Parry
552 Baccharis pilularis DC
553 Coreopsis gigantea (Kell.) Hall
554 Zauschneria villosa Greene
555 Lyonothamnus flor. asplen.
556 Layia platyglossa (F. M.) Gray
557 Trifolium ciliatum Nutt
558 Apiastrum angustifolium
559 Trifolium tridentatum Lindl

Santa Rosa Island

560 Astragalus miguelensis Greene
561 Grindelia latifolia Kell
562 Achillaea Millefolium L. var lanulosa Piper

Grassy slopes
rocky canyon mouth
Canyon side
var. [illegible] - Canyon bottom.
Canyon bottom.
Canyon slopes, Cliffs
gravelly mouth of Canyon
cliffs
Cliffs
Shaded slope
High slopes
Canyon bottom
Cliffs at the ocean
Canyon slopes
High slopes
Dry grassy spots
Grassy slopes
" "

April 8, 1930
sand dunes, prostrate
heavy soil - flat
lavender fls. ocean bluffs,

563 Oenothera cheiranthifolia
564 Frankenia grandifolia C&S
565 Suaeda calif Wats
566 Isocoma veneta var
567 Abronia maritima Nutt
568 Hordeum pusillum Nutt
569 Lyonothamnus flor. var. asplen
570 Amsinckia intermedia F.&M
11 571 Baeria hirsutula Greene
572 Gnaphalium chilense confertifol
573 Poa nevadensis Vasey
574 Dichondra repens Forst
575 Galium Nuttallii Gray
576 Platystemon —
577 Quercus dumosa Nutt
578 Lathyrus strictus var. barbarae (white)
579 Dendromecon rigida Harfordii
580 Jepsonia malvaeflora (Greene) Small
581 Dentaria integ calif
582 Capsella procumbens (L)
583 Luzula campestris DC
584 Sisyrinchium bellum Wats
585 Habenaria Michaeli Greene
586 Hieracium argutum Nutt

prostrate on dunes
sand dunes
Hanging on bluffs
" " "
sand dunes
" "
canyon side
prostrate on dunes
sand dunes
grassy slopes
" "
high dry slope
dry banks
grassy slopes
rocky slopes
fls. pale, grassy hillsides.
dry crests.
grassy, rocky hill sides.
shaded, grassy slope
grassy sea bluff
rocky, grassy canyon side
grassy sea bluffs
grassy, rocky, canyon side
dry, rocky, slopes

587 Arctostaphy insularis Greene
588 Erigeron glaucus Ker
589 Stachys calif Benth
590 Cheilanthes Clevelandii Eaton
591 Phacelia distans Benth
592 Lupinus bicolor
593 Dodecatheon Clevelandii
594 Abronia umbellata Lam.
595 Astragalus didymocarpus
596 Trifolium trident aciculare var. pallida Kuch
597 Orthocarpus purpurascens
598 Trifolium Macraei H&A
599 Lotus scoparius dendroideus
11 600 Trifolium gracilentum T&G
601 Mogolepis Nuttalliana (R&S) Wats.
602 Salix lasiolepis Benth.
603 Solanum Douglasii Dunal
604 Corethrogyne filag var robusta Greene
605 Koeleria cristata (L) Pers.
606 Atriplex calif Moq
607 Poa Douglasii Nees
608 Oenothera hirta typica
609 Sidalcea ——————
610 Sphacele calycina Wallacei Gray

dry crests.
sea bluffs.
steep canyon side; grassy
shaded grassy canyon slope
sea bluff in cactus
grassy hillsides
grassy hillslopes.
sand dunes
grassy slopes
grassy slope
" flat.
grassy flats
dry hillside; rocky
grassy slopes
sea bluff, edge of pasture
ravine, along creek
ocean bluffs
sea bluffs
grassy rocky canyon side
in pasture
sand dune
" "
grassy flats
rocky canyon side

Glabra Jeps

611 Ceanothus arboreus var.
612 Perezia microcephala Gray
613 Mimulus guttatus DC
614 Vicia exigua Nutt
615 Calochortus catalinae Wats
616 Zygadenus Fremontii Wats
617 Isomeris arborea globosa Cov
618 Salicornia subterminalis
619 Spergularia arvensis L
620 Linaria canad var texana
621 Ranunculus calif
622 Abronia umbellata Lam
623 Layia platyglossa
624 Adenostoma ———
625 Cirsium occidentale (Nutt)
626 Pinus Torreyana Parry

11 627 Petunia parviflora Juss
628 Castilleja hololeuca Greene
629 Lithophragma cymbalaria
630 Tillaea erecta H & A
631 Lotus strigosus (Nutt) Greene
632 Trifolium microcephalum
633 Lotus strigosus (Nutt) Greene

high ridge
grassy slope
moist canyon
white fls. dry, grassy slope
grassy slopes.
" "
dry bank
moist place near beach
edge of field
grassy flat, heavy soil
grassy slopes
sand dunes fls. pink.
grassy flats
dry ridges
grassy slopes
ravine side
April 9 - 1930 - Santa Rosa
Dry, sandy ~~ravine~~ bottom
Rocky canyon wall
Moist slopes
Dry slopes
Dry ^canyon wall^ slope
" " "
Dry canyon wall

11634 Lupinus concinnus Agardh
635 Alchemilla cuneifolia Nutt
636 Erodium botrys Bertol
637 Chenopodium ambrosioides L
638 Lotus grandiflorus (Benth) Greene
639 Microseris Lindleyi (DC) Gray
640 Hypochoeris glabra L
641 Lilium Humboldtii
642 Quercus tomentella Engelm
643 Rhus integrifolia B & W
644 Stipa pulchra Hitchc
645 Thelypteris arguta
646 ~~Amblyopappus pusillus H & A~~ ~~Hemizonia fasciculata T & G.~~
647 Quercus dumosa Nutt
648 Sidalcea - pink one - malvaeflora calif
649 Stellaria nitens Nutt
650 Sanicula arguta Greene
651 Thysanocarpus laciniatus
652 Papaver heterophyllum
653 Calandrinia caulescens Menziesii
654 Gilia Nevinii Gray
655 Bromus carinatus H & A
656 Parietaria debilis Forst
657 Festuca myuros L

Dry canyon wall
Grassy slope
" "
Dry wash
High ridge (F.lo. almost pure white)
Dry grassy slopes
" " "
High, moist canyon bottom
High canyon slopes
Canyon walls
High dry slopes
Moist canyon wall
Dry canyon wall
High canyon slopes
Grassy flats
Damp canyon wall
Grassy slopes
Damp canyon wall
" " "
Grassy places
Grassy moist canyon wall
Canyon bottom - fairly moist
Damp shaded canyon wall
Grassy slopes

11658 Heuchera pilosissima F.M
659 Polypogon monspeliensis
660 Pterostegia drymarioides
661 Chlorogalum pomerid.
662 Comarostaphylos diversifolia greene
663 Pinus radiata binata
664 Ceanothus macrocarpus Nutt
11 665 Sidalcea malvaeflora calif dark red
666 Eschscholtzia calif var maritima
667 Solanum umbelliferum Esch
668 Pteridium aquilinum pubescens
669 Achillea millefolium var. lanulosa
670 Thelypodium lasiophyllum
671 Galium Nuttallii ?
672 Trifolium tridentatum aci cul
673 Rubus vitifolius C. S
674 Solidago californica Nutt
675 Gnaphalium bicolor Bioletti
676 Eriogonum nudum var. rubescens
677 Vicia amer. truncata Brew
678 Castilleia
679 Chorizanthe
680 Silene laciniata Cav.
681 Salvia mellifera revoluta (Brand

April 10

Santa Rosa I.

Canyon walls

Canyon ~~bottom~~

Warm dry canyon slope

~~Grassy~~ high slopes

High slopes + canyon walls

" dry canyon walls

High ridge

---

grassy slopes — April 9

Dry slopes

Shaded canyon walls

Water canyon

Canyon walls

Water canyon

Dry canyon walls

" " "

Shaded " "

Dry " "

" " "

" " "

Grassy slopes

Dry slopes

"

"

" Flowers lavender

11682 Mimulus parviflorus (Greene) Grant
683 Isocoma veneta vernonioides Jeps
684 Chenopodium californicum Wats
685 Poa nevadensis Vasey
686 Achyrachaena mollis Schauer
687 Venegasia carpesioides DC
688 Pityrogramme Δ viscosa
689 Pellaea andromedaefolia
690 Polypodium vulgare var. Kaulfussii
691 Coreopsis gigantea (Kell)
692 Boisduvalia septentrionalis Munz
693 Phacelia viscida Torr
694 Oenothera hirta hirta typica
695 Gilia Nevinii Gray
696 Apiastrum angustifolium
697 Silene gallica L
698 Lepidium nitidum Greene
699 Amsinckia ———
700 Ranunculus calif
701 Lupinus bicolor microphyllus
702 Trifolium ~~[illegible]~~ gracilentum T.+G.
703 Layia platyglossa (F.+M.)
704 Baeria chrysostoma gracilis
705 Plagiobothrys ———

Small damp slopes
Dry canyon walls.
grassy flats
dry canyon walls.
grassy flats
moist canyon wall
shady canyons
"
"
"
"
exposed canyon walls
Dry canyon wall
" " "
" "
grassy field
" "
" slopes
" "
" fields
"
"
"
prostrate grassy flats

706 Orthocarpus densiflorus Benth
707 ~~Cryptantha~~
708 Plantago Hookeriana calif
709 Cotula coronopifolia L
710 Cryptantha ———
711 Trifolium amplectens stenophyllum
712 Micropus californicus F. M
713 Stylocline ~~filaginea Gray~~ gnaphalioides
714 Eriogonum arborescens Greene
715 Gnaphalium ~~palustre Nutt~~ purpureum
716 Lupinus succulentus Agardh
717 Lomatium utriculatum
718 Atriplex calif. Moq
719 Pentacaena ramosissima
720 Malacothrix sax var. impli cat

Santa Rosa April 10

721 Rosa Sanctae-crucis
722 Malacothrix incana T. G
723 Heliotropium curassavicum
724 Mesembryanthemum nodiflorum
725 Distichlis spicata (L) Greene
726 Jaumea carnosa Gray
727 Zannichellia palustris L
728 Eleocharis palustris R. S

grassy fields
grass semi-erect.
" fields & slopes
Heavy soils - <u>low</u>.

Grassy slopes
dry slopes.
"

rocky walls.
dry slopes
grassy slopes
"

sea bluffs
dry slopes.
cata " canyon walls & sea bluff.

stream
sea bluffs
sea bluff at East Point
" " " " "
" " " " "
" " " " "
" " " " "
" "

11730 Gilia ~~altiss~~ tenuiflora Benth
11731 Chaenactis glabriuscula var. lanosa
11732 Carex praegracilis
733 Ruppia maritima L
734 Lastarriaea chilensis
735 Cressa cretica L
736 Pholisurus incurvus
737 Agoseris heterophylla
738 Atriplex leucophylla Dietr
739 Rafinesquia calif
740 Cuscuta salina Engelm.
741 Juncus bufonius L
742 Oenothera contorta strigulosa
743 Zostera marina L.
744 Oenothera nitida
745 Astragalus leucopsis T. & G
746 Platystemon L
747 Spergularia macrotheca
748 Malacothrix saxatilis implicata
749 Astragalus leucopsis var
750 Coreopsis gigantea (Kell)
751 Baccharis pilularis DC
752 Lupinus albifrons Benth
~~753~~

Grassy slopes at East Point.
Sea bluffs at East Point
"
"
" "
" "
" "
" "
" "
" "
" "
" "
" "
" "
" "

North west corner.
Sand dunes - N. W. Corner.
~~Heavy~~ soil, grassy places, lav. fl.
Shaded canyon wall
brachypus Shaded canyon wall
" "

Dunes
yellowish patch on banner - grey-blue flowers.
making large clumps on sand-dunes

11753 Phacelia distans Benth
11754 Capsella procumbens (L)
11755 Gilia Nevinii Gray ~~7(?)~~
11756 Phacelia maritima ~~lavender~~
757 Erysimum capitatum (Dougl) Greene
758 Lotus salsuginosus Greene
759 Oenothera hirta
760 Lupinus arboreus Sims

San Miguel

11761 Lepidium lasiocarpum Greene
11762 Capsella procumbens
11763 Gilia Nevinii Gray
764 Trifolium microdon H. A
765 Linaria can texana
766 Gilia ?
767 Trifolium gracilentum
768 Lilaea erecta
769 Orthocarpus densiflorus Benth
770 Calandrinia
771 Oenothera cheiranthifolia
772 Eschscholtzia calif maritima
773 Monolepis Nuttalliana

Sand dunes
Sandy sea bluff - northwest corner I
Grassy slopes
Dunes.
Dunes
Prostrate near dune
Dunes
Dunes

April 10 1930
grassy slopes
" "
Fls. blue, grassy slopes
dry grassy slopes
grassy slope
" "
" "
" "
dry slopes

sandy dunes
Grassy places

774 Astragalus Antisellii Gray
775 Lupinus bicolor ———
776 Orthocarpus purpurascens
777 Cirsium occidentale
778 Achillea. millef. var. lanulosa
779 Chenopodium calif Wats
780 ~~Lotus~~ scoparius Veatchii
781 Brodiaea capitata Benth
782 Sidalcea malvaeflora var calif
783 Ellisia ———
784 Suaeda calif
785 Franseria bipinnatifida Nutt
786 Astragalus Miguelensis Greene
787 Erysimum insulare Greene
788 Malacothrix saxatilis var implicata
789 Amsinckia intermedia sancti-nicolai
790 Amsinckia ———
791 ~~Boxula erecta~~ (Huds) Cov.
792 Abronia latifolia Esch
793 Abronia ~~alba~~ ~~Eastw.~~ ~~Nutt~~
794 Abronia maritima Nutt
795 Convolvulus Soldanella L.
796 Heliotropium curassavicum L
797 Lupinus succulentus

grassy slopes
" "
" "
" "
" "
" "
Cliff
grassy slope
" "
rocky slope
sea bluffs
sand dunes
sand dunes
" "
sand dunes
sand dunes
sand dunes
moist places
sand dunes yellow flowered
sand dunes
" "
" "
" "
grassy slopes

798 Pentacaena ramosissima T. G.
799 Pterostegia drymarioides
11 800 Atriplex semibaccata R. Br.
801 Galium aparine L.
802 Torilis nodosa (L) Gaertn.
803 Rumex persicarioides L
804 Erodium cicutarium L'Her
805 Isocoma veneta vernonioides
806 Cerastium viscosum L
807 Capsella procumbens
808 Cakile edentula var. calif
809 Atriplex hastata L
810 Echinocystis fabacea Naud.
811 Abronia
812 Poa Douglasii ~~Nees~~
813 Phacelia tanaceti folia Benth
814 Tetragonia expansa Murr
815 Hordeum murinum L
816 Chenopodium californicum
817 Atriplex leucophylla (Homem) Heynh
818 Spergularia macrotheca
819 Polypogon littosus (Poir)
820 Bromus maritimus (Piper)
821 Platystemon calif nutans
P

slopes (sandy)
rocky grassy slopes
sandy slopes
rocky cliff
sandy beach, damp
weedy beach edge
rocky slope (grassy)
sand dunes
Grassy slopes
" "
sand dunes
moist sandy slope
" " "
sand dunes
" "
" "
" "
" "
" "
" "
"
grassy slopes
" "
" "
" " & dunes

822 Thelypodium lasiophyllum
823 Cryptantha —
824 Layia platyglossa
825 Amblyopappus pusillus
826 Mesembryanthemum aequilaterale
827 Rhus integrifolia
828 Astragalus Douglasii T. G.
829 Phacelia —
830 Trifolium amplectens stenophyllum

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11 831 ~~Coreopsis~~ Venegasia carpesioides
32 Stachys californica Benth.
33 Athyrium filix-fem. var. calif.
34 ~~Pityrogramma~~ arguta
35 Lilium Humboldtii R. & L.
36 Lathyrus strictus Nutt.
37 Cryptantha —
38 Galium catalinense Gray
39 Adiantum pedatum L.
40 Cercocarpus alnifolius Rydb.
41 Prunus Lyonii Sarg.
42 Cryptantha —
43 Caucalis microcarpa H. A.

grassy slopes
sand dunes
" "
sand dunes
" "
rocky cliff
grassy places
" "
" "

Lady's Harbor, Santa Cruz

steep grassy slopes
" " "
" " "
" " "

44 Filago californica Nutt
45 Vicia exigua Nutt
46 Pectocarya gracilis genuina
47 Chorizanthe insularis
48 Thysanocarpus laciniatus
var. conchuliferus
49 Thysanocarpus curvipes
50 Athysanus pusillus (Hook)
51 Lepidium medium Greene
52 Cheilanthes calif. Nutt
53 Pityrogramma Δ viscosa
54 Solanum umbelliferum Esch
55 Adenostoma fasciculatum
56 Apiastrum angustifolium
57 Thelypodium lasiophyllum
58 Salvia mellifera Jeps
59 Brickellia californica T. G
60 ~~Cryptantha~~

61 ~~Godetia~~ epilobioides
62 ~~Lupinus~~
63 Dendromecon rig Harfordii
64 Trifolium tridentatum
65 Trifolium microcephalum

steep grassy cliffs
" " "
" " "
" " "
fls. & pds. lavender, pods cup-shaped
exposed dry slopes with species
steep grassy canyon sides
" " " "
" " " "
" " " "
" " " "
" " " "
steep exposed slope
" grassy slopes
" " "
dry exposed slopes
" " "
damp, mossy, slope
archegoniophores discoid, sporophytes black
steep grassy canyon slopes
" " " "
Exposed rocky slopes
steep grassy canyon slopes
" " " "

118 66 Trifolium amplectens stenophyllum
67 Pterostegia drymarioides
68 Acer macrophyllum Pursh
69 Baeria chrysostoma gracilis
70 Saxifraga calif Greene
71 Mimulus guttatus

San Miguel

72 Medicago hispida Gaertn
73 Baeria hirsutula Greene
74 Montia perfoliata
75 Dentaria integ calif
76 Silene laciniata
77 Coreopsis gigantea
78 Lepidium medium
79 Sisyrinchium bellum
80 Ranunculus calif
81 Galium catalinense
82 Eriogonum rubescens
83 Oenothera cheiranthifolia var nitida (Greene)
84 Erigeron glaucus Ker

85 Galium —
86 Capsella Bursa-pastoris
87 Polystichum munitum Presl

grassy canyon sides
" " " , damp
exposed rocky cliff.
grassy canyon slopes
moist grassy canyon slopes
" " " "

April 10, 1930 -
sandy slopes
high exposed cliffs
moist grassy slopes
" " "
high exposed ridge
" " cliffs.

dunes
high exposed ridge
Lady's Harbor, Santa Cruz

88 Pentstemon cordifolius Benth
89 Rhus integrifolia B & W
90 Arctostaphylos ~~didymocarpus~~ diversifolia ~~Greene~~ H & A
91 Lilaea erecta H & A
92 Astragalus didymocarpus H & A
93 Artemisia calif Nutt
94 Lotus strigosus (Nutt) Greene
95 Trifolium gracilentum T. & G
96 Lyonothamnus flor asplen
97 Quercus dumosa Nutt
98 Sanicula arguta
99 Chenopodium murale
~~11900 Plagiobothrys~~
11900 Mimulus
1 Oenothera
2 Hypochaeris

Steep grassy canyon side
" " " "

" " " "
moist grassy slopes
" " "
" " "
" " "
" " "
" " "

San Miguel I

"

S Rosa

Hazards
S Rosa
Claremont

11903 Ceanothus.
4 Plagiobothrys
5 Montia spathulata
6 Taraxacum
7 Lewisia
8 Plectritis
9 Asclepias erosa
10 Amsonia brevifolia Gray
11 Ericameria Cooperi
12 Lotus leucophyllus Greene
13 Calochortus Kennedyi
13 Salvia carnosa pilosa
14 Arenaria macradenia Wats
15 Gilia brevicula Gray
16 Leptotaenia
17 Arenaria Doug Fenzl
18 Eriophyllum confertiflorum
19 Chorizanthe
20 Oenothera hirta exfoliata
21 Gilia filifolia diffusa Gray
22 Nemacladus pinn
23 Chorizanthe Thurberi
24 Encelia Actoni Elmer
25 Lepidium draba L.

May 21-1930

San Bdno Mts., Arrowhead to Deep Creek, 5000 ft

Twin Peaks P.O.

mo of Deep Creek

at 4000 ft

Morongo Wash May 1

1 mi east of Cabazon

Whitewater

Morongo

"

11926 Oenothera calif Wats
7 Baileya multiradiata
8 Dyssodia Cooperi Gray
9 Brickellia arguta Robins
11930 Nicolletia occidentalis Gray
1 Cassia armata Wats

plains east of Warren's Well May

547 Mentzelia
9 of Macro & Cycla